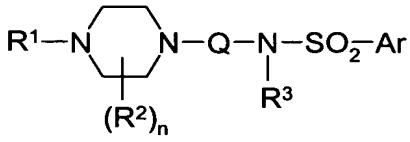
In the Abstract

The invention relates to N-[(piperazinyl)hetaryl]arylsulfonamide compounds of the general formula I



(I)

in which

Q is a bivalent, 6-membered heteroaromatic radical which possesses 1 or 2 N atoms as ring members and which optionally carries one or two substituents R^a which is/are selected, independently of each other, from halogen, CN, NO_2, CO_2R^4, COR^5, C_1-C_4-alkyl and C_1-C_4-haloalkyl;

Ar is phenyl or a 6-membered heteroaromatic radical which possesses 1 or 2 N atoms as ring members and which optionally carries one or two substituents R^b, which is/are selected from halogen, NO_2, CN, CO_2R^4, COR^5, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_2-C_6-alkynyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl-C_1-C_4-alkyl and C_1-C_4-haloalkyl, with it also being possible for two radicals R^b which are bonded to adjacent C atoms of Ar to be together C_3-C_4-alkylene;

R^1 is hydrogen, C_1-C_4-alkyl, C_1-C_4-haloalkyl, C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyl-C_1-C_4-alkyl, C_1-C_4-hydroxyalkyl, C_1-C_4-alkoxy-C_1-C_4-alkyl, C_3-C_4-alkenyl or C_3-C_4-alkynyl;

with the radicals n, R^1, R^2, R^3, R^4 and R^5 having the meanings given in the patent claims, to the N-oxides and to the physiologically tolerated acid addition salts of these compounds and to pharmaceutical compositions which comprise at least one N-[(piperazinyl)hetaryl]arylsulfonamide compound as claimed in one of claims 1 to 10 and/or at least one physiologically tolerated acid addition salt of I and/or an N-oxide of I, where appropraite together with physiologically accpetable carriers and/or auxiliary substances for treating diseases which respond to influencing by dopamine D_3 receptor antagonists or agonists, in particular for treating diseases of the central nervous system and disturbances of kidney function.